

for blue

Work Order ID 62636

Tuesday, October 05, 2010 1:02:26 PM



Page 1

Item ID: D206-667-203TRN

Accept



Setup Start



Revision ID:

Item Name: Crosstube Turning Detail

Stop



Start Date: 10/5/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 10/19/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan:



Date: 10/10/08 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D206-667-243	Rev C

100



MORI SEIKI CNC LATHE LARGE

Mori Seiki

Mori Seiki CNC Lathe Large

110



QC1- Inspect dimensions to dimension sheet

QC

Quality Control

120



MORI SEIKI CNC LATHE LARGE

Mori Seiki

Mori Seiki CNC Lathe Large

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Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



QC

Quality Control

QC1- Inspect dimensions to dimension sheet

0.00

A.A 10/10/13

1 φ

140



QC

Quality Control

QC8- Inspect parts - second check

0.00

S10/10/14

(X) _____

150



HandFXtube

Crosstubes Chemical Conversion

0.00

SAO
10-10-14

(D) _____

Hand Finishing Crosstubes

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Cust Item ID:

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Customer:

Reference:

Approvals: Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

**Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp**

160



QC3- Inspect Part Finish

0.00

1 - BE 10/10/14

QC

Quality Control

170



Packaging

0.00

2 10-10-14

Packaging

Packaging

Memo

0.00

Identify and Stock in kanban rack□Location: W/6

B63607

180



QC21- Final Inspection - Work Order Release

0.00

QC

Quality Control

Memo

0.00

10/10/14 JF

MF 10-10-14

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Picklist Print

Tuesday, October 05, 2010 1:02:29 PM

Page 1

Work Order ID: 62636



Parent Item: D206-667-203TRN



Parent Item Name: Crosstube Turning Detail

Start Date: 10/5/2010

Required Date: 10/19/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-03-06 new issue DD verified by:ec
IPP Rev B 08.04.02 Removed polish EC verified by: DD
IPP Rev C 09.01.06 ECN 08-562 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6004-115 		Manufactured	No			100	Each	54.0000	1	1			

Crosstube Material

Location	Loc Qty	Loc Code
LG	54	
34685	17	
34774	2	
38336	35	

10/05/08

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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	62636
Description: Crosstube Assembly	Part Number:	D206-667-243
Inspection Dwg: D206-667-243 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Inspection Sheet Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
SIDE A	2.490	+0.005/-0.000	2.493	✓	Vern	GA-01
	2.018	+0.005/-0.000	2.022	✓	"	"
	2.079	+0.005/-0.000	2.084	✓	"	"
	2.145	+0.005/-0.000	2.150	✓	"	"
	2.209	+0.005/-0.000	2.213	✓	"	"
	2.287	+0.005/-0.000	2.290	✓	"	"
	2.363	+0.005/-0.000	2.364	✓	"	"
	2.433	+0.005/-0.000	2.436	✓	"	"
	.0200	+/-0.010	0.205	✓	"	"
	0.500 x 30°	+/-0.010	0.500x30°	✓	"	"
	R0.063	+/-0.010	R0.063	✓	Rad gage	ref.
	R0.500	+/-0.010	R0.500	✓	"	"
	4.438	+/-0.030	4.439	✓	Vern	GA-01
SIDE B	104.91	+/-0.020	104.925	✓	TAPE	GA-12
	2.490	+0.005/-0.000	2.494	✓	Vern	GA-01
	2.018	+0.005/-0.000	2.023	✓	"	"
	2.079	+0.005/-0.000	2.084	✓	"	"
	2.145	+0.005/-0.000	2.150	✓	"	"
	2.209	+0.005/-0.000	2.214	✓	"	"
	2.287	+0.005/-0.000	2.290	✓	"	"
	2.363	+0.005/-0.000	2.364	✓	"	"
	2.433	+0.005/-0.000	2.436	✓	"	"
	0.200	+/-0.010	0.207	✓	"	"
	0.500 x 30°	+/-0.010	0.500x30°	✓	"	"
	R0.063	+/-0.010	R0.063	✓	Rad gage	ref.
	R0.500	+/-0.010	R0.500	✓	"	"
	4.438	+/-0.030	4.439	✓	Vern	GA-01

Measured by:	B. A	Audited by:	S	Preliminary Approval:	N/A
Date:	10/10/03	Date:	10/10/04	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	06.09.01	New Issue (P/O D206-667-203)	KJ/JLM	
B	10.08.25	Dwg Rev updated	KJ	(S) M

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NOTE: Date & initial all entries

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

D

D

C

C

B

B

A

A

Item	Qty	Part Number	Description
1	X	D206-667-243	CROSSTUBE ASSEMBLY (206L HIGH AFT)
2	1	D6004-115	CROSSTUBE
3	2	D2873-043	NUT PLATE
4	2	D2873-045	NUT PLATE
5	2	D2892-1	SUPPORT
6	4	D3595-063-450	RUBBER CUSHION
7	4	MS21920-22	CLAMP
8	14	MS20601AD4W10	RIVET (OR NAS9302B-4-10)
9	A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBC-120-023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100, TYPE II, CLASS 2 ADHESIVE)

GENERAL NOTES:

- 1) MATERIAL: MANUFACTURED FROM D6004-115
FINISHED LENGTH = 104.91±.020
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2
PAINT OUTSIDE PER DART QSI 005 4.2
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- 6) IDENTIFICATION: SCRIBE DART PART NUMBER "D206-667-243" AND BATCH NUMBER ON INSIDE OF CUFF USING VIBRATING STYLUS.
- 7) WEIGHT: 21.9 lbs
- 8) PART IS SYMMETRIC ABOUT CENTERLINE.
- 9) RUN CUTTER OFF PART WHERE INDICATED. BLEND OUT EDGE LONGITUDINALLY, TRANSITION SHOULD BE SMOOTH.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 8 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.
- 11) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038.
- 12) INSTALL D2892-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 13) INSTALL MS21920-22 CLAMPS WITH D3595-063-450 RUBBER CUSHIONS TO SECURE THE D2892-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMP MECHANISMS ARE LOCATED ON CROSSTUBE SUPPORTS.
- 14) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS ARE SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

SP-1000
F
E
UNCC
SUBJ
V
W
NO. 100-10-05
D
RELEASED
RE-10-10-05

C	REVISE GENERAL NOTES/PART LIST (ZN D7-1); REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENT STANDARDS. D3595-063-450 WAS D2856-400-773 (ZN D8-2 & A5-2); REMOVED REF. & ADD TOLERANCES (ZN 4-3, C5-3, D3-3); RELOCATED FLAG #6 (ZN AB-3) PER NCR 210; MOVED TURNING DETAIL & UPDATED TOLERANCE TO SHEET 4.	RF	08.11.06
B	ADD HOLES AND NUT PLATES FOR COMPATABILITY WITH BHT/AA SKUTUBES	PH	05.07.26
A	NEW ISSUE	CP	00.11.17
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	10	DRAWING NO.	REV. C
MFG. APPR.	EP	D206-667-243	SHEET 1 OF 4
APPROVED	ZP	TITLE	SCALE
DE APPR.	PP	CROSSTUBE ASSY (206L HIGH AFT)	NTS
DATE	08.11.06	COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE, COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

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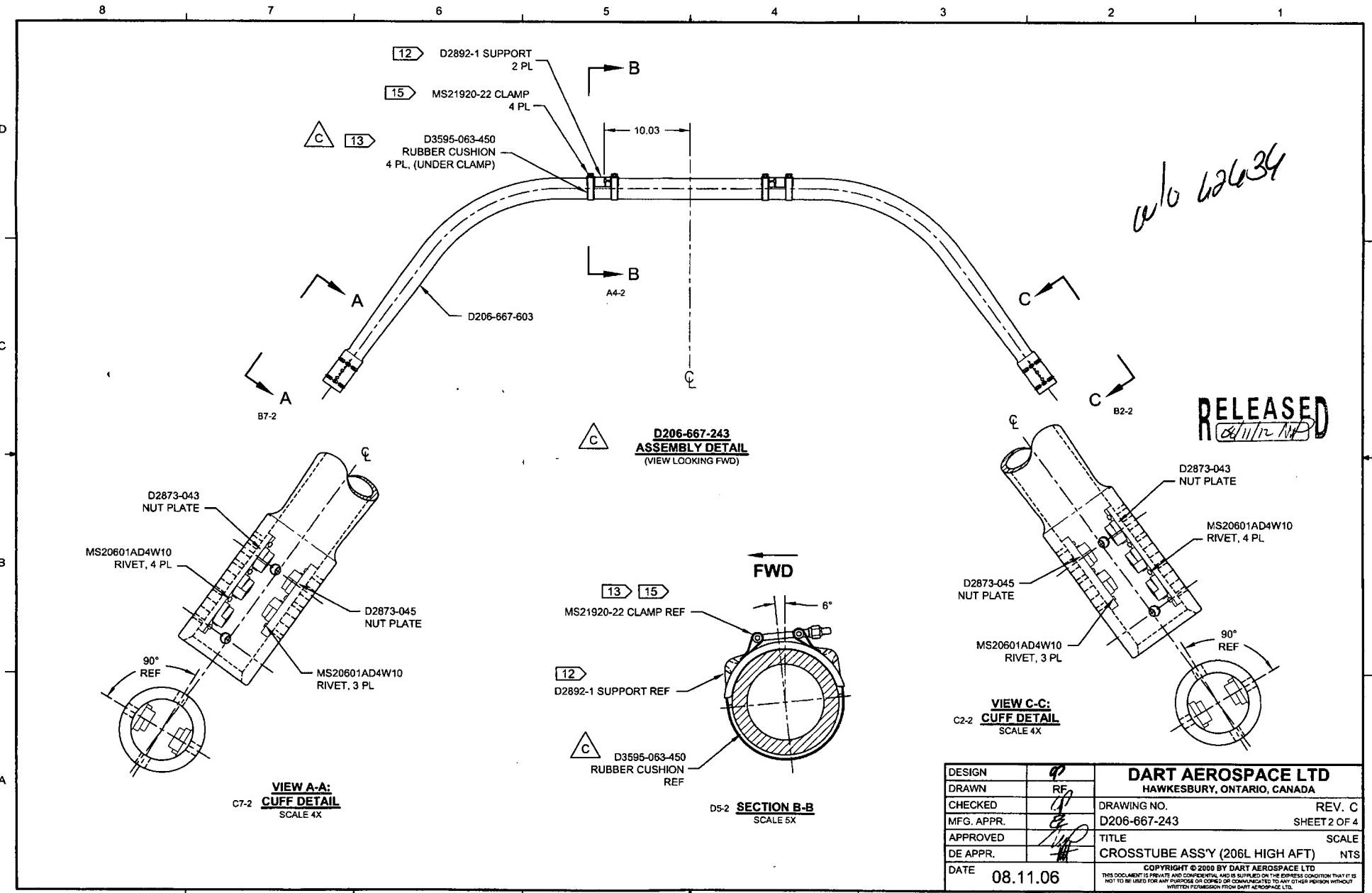
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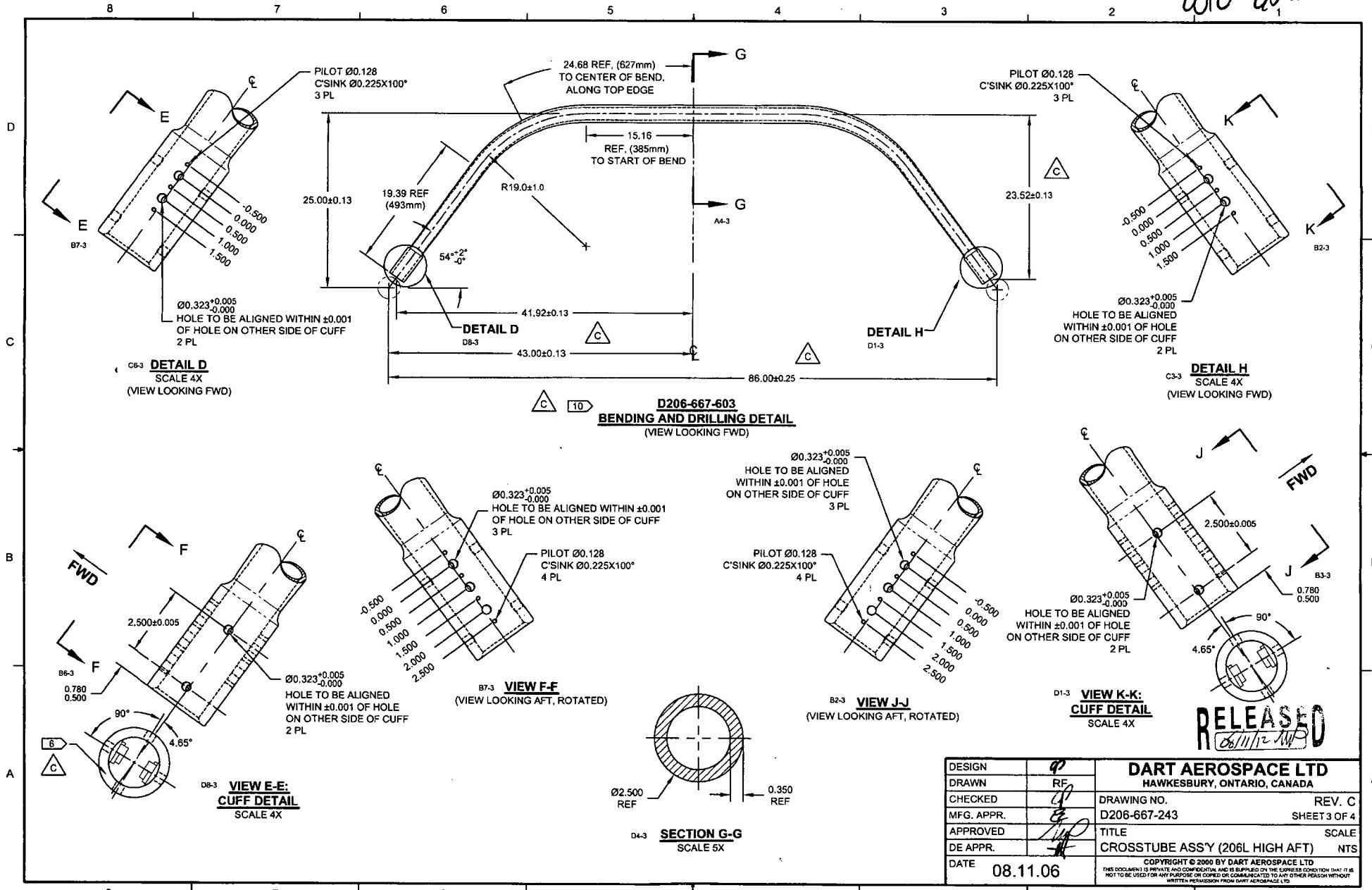
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Wb 42686



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